

**“(SAFETY DATA SHEET – compliant to GHS)”**  
**CONFIRMS TO EC DIRECTIVE 91/155/EEC, REGULATION EC NO# 1907/2006,**  
**EC REGULATION NO#1272/2008, AMENDED EC REGULATION NO#790/2009**  
**and Complies to The EU Cosmetic Products Regulation (Regulation (EC) No**  
**1223/2009) effective on July 2013., and to EU Commission Regulation No.358/2014/9**  
**of 9<sup>th</sup> April 2014 amending Annexes II and V, to EU Regulation No No.1223/2009 of**  
**The European Parliament and of The Council on Cosmetic products, (Effective Date**  
**31<sup>st</sup> October 2014) AND to US DEPT.OF LABOR-Occupational Safety & Health**  
**Admin directives and compliant to Globally Harmonized System of Classification**  
**and Labeling of Chemicals (hereinafter referred to as “the GHS”)., and Complies**  
**and Confirms to the Requirements of State of California Proposition 65.**  
**Complies to Cal/OSHA 2010, California workplace safety regulation**  
<http://www.femaflavor.org/sites/default/files/2012RespiratoryHealth/P3%20Cal%20Diacetyl%20Reg.pdf>

A Quality Management System, compliant to the International Standard ISO 9001, was used to manufacture and test this material

<http://www.osha.gov/dsg/hazcom/ghs.html>

[http://www.unece.org/trans/danger/publi/ghs/ghs\\_welcome\\_e.html](http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html)

<http://www.hc-sc.gc.ca/ahc-asc/intactiv/ghs-sgh/index-eng.php>

DATE OF FIRST ISSUE

February 10th 1992-Reviewer -  
Dr Balasubramaniam PhD

DATE OF LATEST REVISION

Jan. 19th 1997- Rev'wer-  
Dr Fergus Jes .G.Velasquez Bsc. Med Tech, MD  
Mr Jimmy Kee, 30<sup>th</sup> June 2003  
Mr TEO SH 5<sup>th</sup> Jan 2004  
Mr Joshua Teo, 21<sup>st</sup> Jan 2011  
February 10<sup>th</sup> 2012 – Reviewer=Joshua Teo  
February 5<sup>th</sup> 2013 – Reviewer = Balasubramaniam M PhD  
23<sup>rd</sup> March 2014 - Joshua Teo, Balasubramaniam M PhD &  
Oksana Nemchenko MD  
5<sup>th</sup> March 2015 - Joshua Teo, Balasubramaniam M PhD &  
Oksana Nemchenko MD  
15<sup>th</sup> May 2016 - Joshua Teo, Balasubramaniam M PhD &  
Oksana Nemchenko MD  
23<sup>rd</sup> May 2017 - Joshua Teo, Balasubramaniam M PhD &  
Oksana Nemchenko MD  
23<sup>rd</sup> September 2017 - Joshua Teo BSc. Chem,  
Balasubramaniam M PhD & Oksana Nemchenko MD  
23<sup>rd</sup> January 2018 - Joshua Teo BSc. Chem,  
Balasubramaniam M PhD & Oksana Nemchenko MD  
17<sup>th</sup> january 2019 - Joshua Teo BSc. Chem,  
Balasubramaniam M PhD & Oksana Nemchenko MD

**This Global Harmony System (GHS) Safety Data Sheet – FEMA GRAS # 4690 HONEYSUCKLE EXTRACT Honeysuckle, Lonicera japonica, ext.**  
<https://www.femaflavor.org/flavor/library/honeysuckle-extract>

[https://www.femaflavor.org/sites/default/files/25.%20GRAS%20Substances%20\(4667-4727\)\\_0.pdf](https://www.femaflavor.org/sites/default/files/25.%20GRAS%20Substances%20(4667-4727)_0.pdf)

**EPA Substance Registry Services**

[https://iaspub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/advancedsearch/search.do?synld=603453&displaySynonym=](https://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/search.do?synld=603453&displaySynonym=)

**(SRS)Synonym Details - Oils, honeysuckle**

Substance Systematic Name	Oils, honeysuckle	CAS
EPA Registry Name	Oils, honeysuckle	Number 8023-93-6
Chemical Substance	Synonym Information	Substance Type
List Name	Chemical Identification	Synonym
Oils, honeysuckle		

**This Global Harmony System (GHS) Safety Data Sheet** – is Compliant to ISO 9001

and is in Full Compliance to ISO 16128-2:2017, Natural Indices- Cosmetics — Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients — Part 2: Criteria for ingredients and products

And

is full Compliance to The Voluntary Campo Higher Standards of Cosmetic Botanical and Natural Ingredients- in full Compliance to and of Meeting the Higher Standards of The Regulatory Requirements of the Health Food Supplements Industries (for the Cosmetics Topical External Uses of The Cosmetic Active Ingredients) of The FDA CFR21 Part 11 (Revision March 2017) of Botanical Identities of Botanical & Natural Food Supplements and Botanical and Natural Products Oral Drugs via –Thin Layer Chromatography (TLC) High Performance Photo Identities of FDA Botanical Identities Standard & AOAC Official Method(s) Standards of Botanical and Natural Products Identities.

Complies to Cal/OSHA 2010, California workplace safety regulation

<http://www.femaflavor.org/sites/default/files/2012RespiratoryHealth/P3%20Cal%20Diacetyl%20Reg.pdf>

**Complies totally with US OSHA General Duty Clause of the Occupational Safety and Health Act (Section 5(a)(1))**

**1 PRODUCT AND COMPANY IDENTIFICATION**

**COMMERCIAL NAME:**

Campo Product Number

BOC PRODUCT CODE#

OTHER TRADE NAME:

GHS-HS CODE #

**CAMPO PLANTSERVATIVE WMr (JOJOBA OIL)**

**2004-190-3002 PLANTWMr (JO)**

**BOC CODE# 10782 KKR**

**LONICERA JAPONICA EXTRACT LIPO / OIL SOLUBLE**

**1302.19.0000**

LATIN NAME:  
SYN LATIN NAME:

Lonicera Caprifolium var.japonica flores extractum,  
Simmondsia chinensis Semem olea cera extractum  
Lonicera japonica var.Caprifolium, Simmondsia chinensis

INCI NAME

LONICERA CAPRIFOLIUM (HONEYSUCKLE) FLOWER EXTRACT  
LONICERA JAPONICA (HONEYSUCKLE) FLOWER EXTRACT  
SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL

INCI NAME –EU

LONICERA CAPRIFOLIUM FLOWER EXTRACT  
LONICERA JAPONICA FLOWER EXTRACT  
JOJOBA OIL

GHS-HS CODE  
UN.GHS COMPOSITION

1302.19.0000

**Final Extract composition, as required of  
UN.GHS Composition, for Recommended  
Mandatory Ingredient Listing of INCI:**

Approx <65% Lonicera Caprifolium (Honeysuckle) Flower Extract  
Approx <25% Lonicera Japonica (Honeysuckle) Flower Extract  
Approx <10% Simmondsia Chinensis (Jojoba) Seed Oil

ISO 16128. 2. –2017 COMPLIANT –EXTRACT RATIO

210 Kg of Lonicera Japonica ,Syn: Lonicera Caprifolium (Flower  
Buds) Flower Buds (Raw Botanicals)

540 Kg of Simmondsia chinensis Seeds as Raw Botanical

1 Kg Extract- WMr Jojoba : 750 Kg Raw Botanicals

JCID (Japan)

ハニーサックル花エキス

スイカズラ花エキス

ホホバ種子油

CHINA SFDA IECIC (IECSC) Index No# 序号  
CHINA SFDA IECIC (IECSC) Approved Name  
中文名称

1061忍冬 (LONICERAJAPONICA) 花提取物  
蔓生盘叶忍冬 (LONICERACAPRIFOLIUM) 花提取物

LONICERA CAPRIFOLIUM EXTRACT

03130 霍霍巴 (SIMMONDSIA CHINENSIS) 籽油

INTERNATIONAL CHEMICAL  
IDENTIFICATION

(EC REGULATION NO#1272/2008  
AMENDED NO#790/2009)and Compliant  
to the GHS

LONICERA CAPRIFOLIUM FLOWER EXTRACT  
LONICERA JAPONICA FLOWER EXTRACT  
JOJOBA OIL

FUNCTIONS / REPORTED FUNCTIONS

**Perfuming, Skin Conditioning, Skin-Moisturizing Agents –**

**Miscellaneous.** As Primary Efficacies as A Natural Skin-Conditioning Agent, as Skin-Hair Potent  
Moisturizing Effects, as Natural Scalp Skin Conditioning agent and as Natural Anti-Fungal infection of Hair-Follicles in  
Scalp, As Natural Anti-Skin-Odorant Actives, & as Other Natural Cosmetology, as Natural Skin Care & as Natural Hair  
Care Benefits, as Skin-Moisturization, as potent Anti- Propionibacterium acnes / ACNE, & As Post Anti-Acne damaged  
skin rejuvenation, as Natural Anti-Insect Feedants' Distractor, as for Natural Insect-Repellent Boosting Properties, as for  
Natural Insecticidal Properties, AND as for Natural Secondary Efficacies as Highly Potent Broad-Spectrum Natural  
Botanical Anti-Micro-Organisms. Etc

**Oils, honeysuckle (oils-water-soluble) 8023-93-6 /  
DTXSID8093734**

**Distributed Structure-Searchable Toxicity (DSSTox) Database**

EPA (USA) US. Environment Protection Agency –  
EPA-Toxic Substances Control Act  
TSCA LISTED

List Name 2016 CDR TSCA Inv

[https://iaspub.epa.gov/sor\\_internet/registry/substreg/searchand  
ndretrieve/advancedsearch/search.do?synId=1100962&displ  
aySynonym=](https://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/search.do?synId=1100962&displaySynonym=)

Oils, honeysuckle (oils-water-soluble) 8023-  
93-6 | **DTXSID8093734**

**EPA Applications/Systems Valid Synonyms (TSCA)**

**Inventory** Oils, honeysuckle, 8023-93-6 **Active CAS-RN**, Honeysuckle, absolute,  
Honeysuckle absolute (Lonicera spp.), Honeysuckle oil, Honeysuckle absolute,  
Oils Honeysuckle Water-Soluble Substance Details

[https://iaspub.epa.gov/sor\\_internet/registry/substreg/searchandret  
rieve/advancedsearch/externalSearch.do?p\\_type=CASNO&p\\_val  
ue=8023-93-6](https://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p_type=CASNO&p_value=8023-93-6)

**Internal Tracking Number:** 159384

**Substance Status:** Approved

**Substance Type:** Chemical Substance

**Systematic Name:** Oils, honeysuckle

**CAS Number:** 8023-93-6

**EPA Registry Name:** Oils, honeysuckle

**Molecular Formula:** Unspecified

**PRESENCE IN LISTS-Not present on any lists.**

**RECORD INFORMATION-Citation U.S.  
Environmental Protection Agency. Chemistry  
Dashboard.**

<https://comptox.epa.gov/dashboard/DTXSID8093734>

(accessed October 05, 2017), Oils, honeysuckle

[https://comptox.epa.gov/dashboard/dsstoxdb/results?utf8=%  
E2%9C%93&search=Honeysuckle+absolute+%28Lonicera  
+spp.%29](https://comptox.epa.gov/dashboard/dsstoxdb/results?utf8=%E2%9C%93&search=Honeysuckle+absolute+%28Lonicera+spp.%29)

**Data Quality Level 3:**

Programmatically curated from high quality EPA  
source, unique chemical identifiers have no conflicts in

**Health and Other Information, Program and Regulatory**

## ChemID and PubChem

**QUALITY CONTROL NOTES:** Loaded based on name agreement between SRS (Substance Registry Service) and ChemID

## Information,

### Related Substances,

[https://iaspub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p\\_type=CASNO&p\\_value=8023-93-6#HealthAndOther](https://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p_type=CASNO&p_value=8023-93-6#HealthAndOther)

### ChemID Plus Advanced

[Linkhttps://chem.nlm.nih.gov/chemidplus/rn/8023-93-6](https://chem.nlm.nih.gov/chemidplus/rn/8023-93-6)

### ChemID Plus Link

<https://chem.nlm.nih.gov/chemidplus/rn/8023-93-6>

**Definition:**Extractives and their physically modified derivatives.

Lonicera caprifolium, Caprifoliaceae. [Show More Metadata](#)

<https://chem.nlm.nih.gov/chemidplus/rn/8023-93-6>

## EPA TSCA List Information List Status Approved

**List Name** 2016 CDR TSCA Inv

**List Acronym** 2016 CDR TSCA Inv

**List Type** Statute/Regulation

[https://iaspub.epa.gov/sor\\_internet/registry/substreg/list/details.do?listId=256](https://iaspub.epa.gov/sor_internet/registry/substreg/list/details.do?listId=256)

### List Description

This list contains chemicals that are found on the TSCA Inventory as of June 1, 2016, which is the first day of the reporting period for the 2016 Chemical Data Reporting (CDR). TSCA requires EPA to compile, keep current, and publish a list of each chemical that is manufactured (including imported) or processed in the U.S. for uses under TSCA. Companies that manufacture (including import) chemicals at certain volumes in the U.S. must report to EPA every four years through its CDR, and reporting requirements for the 2016 CDR are based upon the status of a chemical in terms of being subject to certain regulations on June 1, 2016. This list contains CASRNs and accession numbers.

### [Program and Regulatory Information Statutes/Regulations](#)

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance. To view more metadata about the specific Synonym, click on the Synonym.

Statutes/Regulations	Synonym
<a href="#">2016 CDR TSCA Inv</a>	<a href="#">Oils, honeysuckle</a>
<a href="#">TSCA Inv</a>	<a href="#">Oils, honeysuckle</a>

### EPA Applications/Systems

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance. To view more metadata about the specific Synonym, click on the Synonym.

EPA Applications/Systems	Synonym
<a href="#">TSCA Inv Syms</a>	<a href="#">Honeysuckle oil</a>
<a href="#">TSCA Inv Syms</a>	<a href="#">Honeysuckle absolute</a>
<a href="#">TSCA Inv Syms</a>	<a href="#">Honeysuckle, absolute</a>

### Other Sources

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance. To view more metadata about the specific Synonym, click on the Synonym.

Other Sources	Synonym
<a href="#">CA Index</a>	<a href="#">Oils, honeysuckle</a>
<a href="#">ChemIDStd</a>	<a href="#">Oils, honeysuckle</a>

[https://iaspub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p\\_type=CASNO&p\\_value=8023-93-6#ProgramAndRegulatory](https://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p_type=CASNO&p_value=8023-93-6#ProgramAndRegulatory)

## Jojoba Oi ( Jojoba wax)

**Substance Status:** Approved

Substance Details, **Internal Tracking Number:** 321653

**Substance Type:** Chemical Substance

**Systematic Name:** Waxes and Waxy substances, Jojoba Oil

**CAS Number:** 61789-91-1

**EPA Registry Name:** Jojoba wax, Jojoba Oil

**Molecular Formula:** Unspecified

**Definition:** Extractives and their physically modified derivatives.

Simmondsia chinensis, Buxaceae.

[https://ofmpub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/substancesearch/search.do?details=displayDetails&selecteSubstanceId=24097](https://ofmpub.epa.gov/sor_internet/registry/substreg/searchandretrieve/substancesearch/search.do?details=displayDetails&selecteSubstanceId=24097)

## Jojoba Seed Oil EPA TSCA # 321653

[https://ofmpub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/substancesearch/search.do?search=&substanceName=&substanceNameScope=contains&substanceType=-1&hasComponents=both](https://ofmpub.epa.gov/sor_internet/registry/substreg/searchandretrieve/substancesearch/search.do?search=&substanceName=&substanceNameScope=contains&substanceType=-1&hasComponents=both)

## Jojoba Oil (067200) Fact Sheet Description

Jojoba oil presents no known risks to humans or the environment. The oil has been used for decades in cosmetics, with no reported

adverse effects.

**Synonyms Jojoba oil-Jojoba Seed Oil (Liquid Waxes); Hydrogenated jojoba oil; Jojoba wax and waxes.**

<https://hpd.nlm.nih.gov/cgi-bin/household/brands?tbl=chem&id=498&querv=Jojoba+Oil&searchas=TblChemicals>

[TSCA Inv Waxes & Waxy Jojoba Oil](#) Valid  
[2016 CDR TSCA Inv Jojoba wax](#) Jojoba Oil Valid  
[FIFRA-Inerts Jojoba bean oil](#) Jojoba Seed Oil Valid

**FEMA NUMBER LISTED-GRAS-GENERALLY REGARDED AS SAFE PUBLICATION 25**

[https://www.femaflavor.org/sites/default/files/linked\\_files/25.%20GRAS%20Substances%20%284667-4727%29.pdf](https://www.femaflavor.org/sites/default/files/linked_files/25.%20GRAS%20Substances%20%284667-4727%29.pdf)

<https://www.femaflavor.org/flavor/library/honeysuckle-extract>

**FEMA Number: GRAS #25**  
4690 extract of the flowers of the japanese caprifolilia (honeysuckle), Ionicera japonica, caprifoliaceae  
4690 honeysuckle extract (Ionicera japonica)

**FEMA-FLAVORS & EXTRACTS ASSOCIATION-**

<https://www.femaflavor.org/flavor/library/honeysuckle-extract>

**US. DEPARTMENT OF HEALTH & HUMAN SERVICES – HOUSEHOLD PRODUCT DATABASE- HEALTH AND SAFETY INFORMATION ON HOUSEHOLD PRODUCTS.**

<https://hpd.nlm.nih.gov/cgi-bin/household/brands?tbl=chem&id=2132&query=Honeysuckle&searchas=TblChemicals>

**HEALTH AND SAFETY INFORMATION ON HOUSEHOLD PRODUCTS**

**Chemical Name: Honeysuckle Flower Extract.**

**CAS RN #** 008023-93-6

Synonyms:- Honeysuckle oil; Oils, honeysuckle

<https://hpd.nlm.nih.gov/cgi-bin/household/brands?tbl=chem&id=2132&query=Honeysuckle&searchas=TblChemicals>

**Chemical Name: Honeysuckle Flower Extract**

**CAS RN #** 008023-93-6

Synonyms:- Honeysuckle oil; Oils, honeysuckle

Information from

**National Library of Medicine databases**

**HEALTH STUDIES - NO INFORMATION AVAILABLE AT HSBD at This time**

**Toxicological Information**

[Search TOXNET](#) Chemical Information: [Search ChemIDplus](#)

<https://hpd.nlm.nih.gov/cgi-bin/household/search?quervx=8023-93-6&tbl=TblChemicals&prodcats=all>

**Chemical Name Jojoba wax. Jojoba oil.**

**CAS RN #** 061789-91-1

<https://hpd.nlm.nih.gov/cgi-bin/household/brands?tbl=chem&id=498&querv=Jojoba+Oil&searchas=TblChemicals>

**Jojoba wax. Jojoba oil. CAS# 061789-91-1**

**Synonyms Jojoba oil-Jojoba Seed Oil (Liquid Waxes); Hydrogenated jojoba oil; Jojoba wax and waxes.**

<https://hpd.nlm.nih.gov/cgi-bin/household/brands?tbl=chem&id=498&querv=Jojoba+Oil&searchas=TblChemicals>

[TSCA Inv Waxes & Waxy Jojoba Oil](#) Valid  
[2016 CDR TSCA Inv Jojoba wax](#) Jojoba Oil Valid  
[FIFRA-Inerts Jojoba bean oil](#) Jojoba Seed Oil Valid

**UNITED STATES FOOD & DRUG ADMINISTRATION**

**USA (FDA) PRODUCT CODE#**

**54FYY99**

**UNITED STATES FOOD & DRUG ADMINISTRATION USA (FDA)**

**REGISTRATION#**

**15706999776**

**MANUFACTURER:**

(cGMP MFG. FACILITIES) :

**Campo Cosmetics (S) Pte Ltd**

**Level 30, Sixth Battery Road**

**Singapore 049909**

(65)-63833631/(65)-62837781 (Singapore)

**EMERGENCY TELEPHONE NUMBERS:**

**2 HAZARDS IDENTIFICATION**

NOT CLASSIFIED AS DANGEROUS ACCORDING TO DIRECTIVE 67/548/EEC OR ITS AMENDMENTS

DIVISION 1.6; NON-HAZARDOUS  
NO HAZARD STATEMENT

**HAZARD CLASS and CATEGORY CODE(s)**

PICTOGRAM : NONE

**HAZARD STATEMENT CODE(s)**  
*(EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and compliant to the GHS*

No GHS Pictogram (Totally Non-Hazardous)  
Division 1.6; NO HAZARD STATEMENT

**GHS CLASSIFICATION :**

This material is Non-hazardous according To UN-GHS Criteria.

PICTOGRAM : NONE

No GHS Pictogram (Totally Non-Hazardous)  
Division 1.6: No Hazard Statement.

**GHS LABEL ELEMENTS:**

No GHS Pictogram (Totally Non-Hazardous)

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

100% CARBON-DIOXIDE EXTRACTED  
LONICERA CAPRIFOLIUM FLOWER BUDS AND  
LONICERA JAPONICA FLOWER BUDS/FLORES  
EXTRACT IN SUPER CRITICAL EXTRACTION  
OF SIMMONDSIA CHINENSIS (JOJOBA) SEED  
OIL MENSTRUM

**Lonicera Japonica Var. Caprifolium.**  
**Simmondsia Chinensis (Jojoba) Seed Oil**  
210 Kg of Lonicera Japonica ,Syn: Lonicera Caprifolium (Flower Buds) Flower Buds  
(Raw Botanicals)  
540 Kg of Simmondsia chinensis Seeds as Raw Botanical  
1 Kg Extract- WMr Jojoba : 750 Kg Raw Botanicals

**CTFA Monograph ID:**

8845 – Lonicera Caprifolium (Honeysuckle) Flower Extract  
9690 – Lonicera japonica (Honeysuckle) Flower Extract  
9274 – Simmondsia Chinensis (Jojoba) Seed Oil

**CAS NO# (CAS Name)**

84603-62-3 – Lonicera Caprifolium (Honeysuckle) Flower Extract  
84603-62-3 – Lonicera Caprifolium Flower Extract (EU)  
N/A – Lonicera Japonica (Honeysuckle) Flower Extract  
223749-79-9 – Lonicera Japonica Flower Extract (EU)  
61789-91-1 – Simmondsia Chinensis (Jojoba) Seed Oil

**CAS NO# (CAS Name)**  
**(EC REGULATION NO#1272/2008**  
**AMENDED NO#790/2009)and compliant**  
**to the GHS**

**84603-62-3 – (Lonicera Caprifolium Flower Extract)**  
**223749-79-9 – (Lonicera Japonica Flower Extract)**  
**61789-91-1 – Simmondsia Chinensis (Jojoba) Seed Oil**

**EINECS Name and Number**  
**EINECS# EU**

283-263-6(1) –Lonicera Caprifolium (Honeysuckle) Flower  
Extract  
283-263-6(1) – Lonicera Caprifolium Flower Extract  
N/A – Lonicera Japonica (Honeysuckle) Flower Extract  
N/A – Lonicera Japonica Flower Extract (EU)  
N/A – Simmondsia Chinensis (Jojoba) Seed Oil  
296-292-4 – Simmondsia Chinensis Seed Oil (EU)

**EINECS# (EINECS Name)**  
**(EC REGULATION NO#1272/2008**  
**AMENDED NO#790/2009) and compliant**  
**to the GHS**

**283-263-6 – (Lonicera Caprifolium Flower Extract)**  
**N/A – (Lonicera Japonica Flower Extract)**  
**296-292-4 – (Simmondsia Chinensis Seed Oil)**

**EU INCI 2001-2015 “Cosmetics Directive (v.1)”/**  
**EINECS**  
**Biological Functions**

**BIOLOGICAL, ASTRINGENT, MASKING SKIN-  
CONDITIONING. & SKIN MOISTURIZING**

As Primary Efficacies as A Natural Skin-Conditioning Agent, as Skin-Hair Potent Moisturizing Effects, as Natural Scalp  
Skin Conditioning agent and as Natural Anti-Fungal infection of Hair-Follicles in Scalp, As Natural Anti-Skin-Odorant  
Actives, &  
as Other Natural Cosmetology, as Natural Skin Care & as Natural Hair Care Benefits, as Skin-Moisturization, as potent  
Anti- Propionibacterium acnes / ACNE, & As Post Anti-Acne damaged skin rejuvenation, as Natural Anti-Insect  
Feedants' Distractor, as for Natural Insect-Repellant Boosting Properties, as for Natural Insecticidal Properties, AND as  
for Natural Secondary Efficacies as Highly Potent Broad-Spectrum Natural Botanical Anti-Micro-Organisms. Etc

**EU Commission Regulation No.358/2014/9 of 9<sup>th</sup>**  
**April 2014 amending Annexes II and V, to EU**  
**Regulation No No.1223/2009 of The European**  
**Parliament and of The Council on Cosmetic products**

**Contains No Parabens, and nor contains any Branched Chain**  
**Parabens.**

**.(EU Regulation No.358/2014/9 of 9<sup>th</sup> April 2014)**

**Carbon-13 nuclear magnetic resonance analysis of formaldehyde free**

**OTHER EU INCI / EINECS NAME**

**N/A Lonicera Carbon Dioxide & Lipo-soluble esterified actives**

**EINECS#**  
**EINECS#**  
**EINECS#**  
**EINECS#**

**#N/A Ester-Lonicerin Substance A**  
**#N/A Ester-Lonicerin Substance B**  
**#N/A Ester-Lonicerin Substance C**  
**#N/A Ester Lonicerin Substance D**  
**#N/A Lonicerin Complex**

**CHEM IUPAC NAME**

**Lonicera Caprifolium Extract is an extract of the flowers of**  
**Honeysuckle, Lonicera Caprifolium, Caprifoliaceae.**  
**Lonicera Japonica Extract is an extract of the flowers of**  
**Honeysuckle, Lonicera Caprifolium, Caprifoliaceae.**  
**Jojoba Seed Oi-Waxy Liquid is an extract of Simmondsia**  
**Chinensis Seed Oil (Waxy Liquid)**

**EINECS NAME**

*Lonicera Caprifolium Extract.Lonicera Japonica Extract.*  
*Jojoba Seed Oil- Simmondsia Chinensis Seed Oil*

**RISK PHRASES**

None

SAFETY PHRASES 25-26

Not Mandatory

**GHS CLASSIFICATION :**

This material is Non-hazardous according To UN-GHS Criteria.

**PICTOGRAM : NONE**

**GHS LABEL ELEMENTS**

**No GHS Pictogram (Totally Non-Hazardous)  
Division 1.6: No Hazard Statement.**

**4 FIRST AID MEASURES**

EYE CONTACT:

Wash with water or standard eye wash solution. Seek medical advice, if irritation occur and persist.

ORAL INGESTATION:

Edible in small quantity (up to 30-50 grams) with bland to bitter sweet after taste.

SKIN CONTACT:

Wash with water or shower.

**5 FIRE FIGHTING MEASURES**

**NON-COMBUSTIBLE BUT PRESENTS NO SPECIAL FIRE HAZARD.**

Treat as oil fire when store in HDPE drums with CO<sub>2</sub>, dry foam or dry chemical.

EXTINGUISHING MEDIA:

PROTECTIVE EQUIPMENTS FOR FIGHTERS:

Standard Equipments.

**6 ACCIDENTAL RELEASE MEASURES**

ABSORB ONTO AN INERT MATERIAL AND SCRAPE UP. REMOVE RESIDUE BY SCRUBBING WITH HOT WATER OR DETERGENT SOLUTION.

**7 HANDLING AND STORAGE**

STORE IN SEALED CONTAINERS UNDER NORMAL COOL, DRY WAREHOUSING CONDITIONS.

**8 EXPOSURE AND PERSONAL PROTECTION**

IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE AND HANDLING USING STANDARD EYE PROTECTION.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM:

Free Flowing Liquid

COLOUR:

Colorless to Light honey, yellow colored viscous

ODOUR:

Faint characteristic

BOILING POINT:

105°C

MELTING POINT:

-

VISCOSITY:

-

FLASH POINT:

> 160°

FLAMMABILITY SOLID/GAS:

N/A

AUTO FLAMMABILITY:

N/A

SPECIFIC REFRACTIVE:

1.300 - 1.500

EXPLOSIVE PROPERTIES:

N/A

OXIDIZING PROPERTIES:

N/A

VAPOUR PRESSURE:

N/A

DENSITY:

0.8900 – 0.9990

WATER SOLUBILITY:

Not Soluble

OTHER SOLUBILITY:

In Most Cosmetic Lipo Oil Solvents

BULK DENSITY:

-

PARTITION COEFFICIENT:

-

(OCTANOL/WATER)

-

EXPLOSIVE LIMITS:

INCOMPATIBILITIES

See Incompatibilities to Schiff Methods of HPLC Assays and incompatibles of Schiff Reagents

**This Material is totally incompatible with Schiff's Reagents, and Assays Methods of Schiff's Reaction, or Modified Schiff's Reaction Assays, via Colorimetric Techniques or via GCMS or via HPLC.**

**This Material is totally incompatible with Schiff's Reagents, and Assays Methods of Schiff's Reaction, or Modified Schiff's Reaction Assays, via Colorimetric Techniques or Via GCMS or via HPLC,**

INCOMPATIBILITY ASSAYS

**Campo Plantservative is Identically Similar to the Result(s) via Schiff Method, Sciff Reagents and Schiff Modified Reagents/Methods, as affordable by the Schiff incompatible Assay(s) of Colorimetric Technique, or GC MS or HPLC for Pure Maple Syrup (or Pure Maple Table Syrup) and Honeysuckle Syrup (Honeysuckle Table Syrup or Lonicera Table Syrup).**

**SUGGESTED STRICTLY COMPATIBLE ASSAYS**

**“SPECTROPHOTOMETRIC METHOD**  
Association of Official Analytical Chemists  
(now AOAC International) **AOAC OFFICIAL METHOD 931.08 & 964.21 as compatible ALTERNATIVE assays to any Assays of Schiff Reactions via Colorimetric or via GCMS or via HPLC.**  
**Carbon-13 nuclear magnetic resonance analysis of formaldehyde free**

**10 STABILITY AND REACTIVITY**

**THERMAL DECOMPOSITION:**

Stable under normal conditions of use.

**11 TOXICOLOGICAL DATA**

ORAL: (Year 1992)

LD50 > 3,582 MG/KG (Body Wt.) Rat  
Essentially Non-Toxic and Edible in Small Quantity.  
LD50 > 2,800 MG/KG (Body Wt.) Mouse  
Essentially Non-Toxic and Edible in Small Quantity.

DERMAL:

**Expected To Be Essentially Non Toxic.**

INHALATION:

N/A

**SPECIFIC CONCENTRATION LIMITS  
M-FACTORS  
(EC REGULATION NO#1272/2008  
AMENDED NO#790/2009) compliant to  
the GHS.**

3,582 MG/KG (Body Wt.); CATEGORY 5  
Essentially Non-Toxic and Edible in Small Quantity.

**TOXIC EFFECTS:**

**SKIN:**

Primarily Irritation Index (PII) = 0.0 (Non- Irritating- Skintex),  
Not A Primarily Irritant.  
Non-irritant / Non-sensitizer as per Repeated Patch Insult Test on  
50 Human volunteers.

Human Repeated Patch Test 48 hours:

50/50 completely non-irritating / non-erythema causing  
**ingredient at 15% concentrate in water with Tween 20** on 50  
human volunteers

**EYE:**

Very Mild/Minimal-not A Transient Conjunctival Irritant at 10%  
concentrate in oil (Eyetex Classification).

*Summarized toxicological data as shown here are Information  
bounded under Non-Disclosure Agreement with various clients  
as when these Toxicological Data were established or/for their  
exclusive uses.*

**12 ECOLOGICAL INFORMATION**

**BIODEGRATION:**

Expected to be ultimately Biodegradable

**FISH TOXICITY:  
BACTERIAL & VIRAL TOXICITY:**

No Data  
Potentially very harmful to bacterial & viral microorganisms.  
WGK (Self Classification)

**WGK CLASS:  
EEC Water Pollution Classification**

Self Assessment (provisional)  
This material is insoluble in Water and can be eliminate by  
mechanical means.

Globally Harmonised System of Classification and Labelling of  
Chemicals (GHS)-UNITED NATIONS (U.N). Consumer Product  
Safety Commission (CPSC), Department of Transportation, (DOT),  
Environmental Protection Agency ,(EPA) Occupational Safety & Health  
Administration (OSHA) [www.osha.gov/dsg/hazcom/ghsguideoct05.pdf](http://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf)

The above mentioned Botanical Extract(s) are extraction-manufactured with  
**UN.GHS WGK CLASS Bio-Degradability (CPSC-DOT-EPA-OSHA)** to the  
Environment –of plant origin, of Marine Seaweed Algae and are not of animal  
origin-nor (not) of any Synthetic Chemicals origin. Therefore does not contain  
risk of Ecological contamination to the Environment-as a fully Bio-Degradable  
WGK CLASS blend of plants-herbs origin,  
[www.osha.gov/dsg/hazcom/ghsguideoct05.pdf](http://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf)

13	<b>DISPOSAL CONDITIONS</b>
DISPOSE OFF ACCORDING TO A RECOGNISED METHOD OF CHEMICAL WASTE DISPOSAL.	
14	<b>TRANSPORT INFORMATION</b>
UN NUMBER# : N/A UN NAME: Not Assigned IMDG CODE/CLASS: Not Hazardous IMDG CODE PAGE NO. N/A ICAO/IATA AIR CLASS: Non-Hazardous ICAO/IATA AIR CLASS PACKING GROUP: N/A RID/ADR CLASS: Non-Hazardous ADNR CLASS: Non-Hazardous <b>LABELLING:</b> <i>(EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and compliant to the GHS.</i> <b>PICTOGRAM SIGNAL WORD CODE(s):</b> No GHS Pictograms (Totally Non-Hazardous) <b>HAZARD STATEMENT CODE(s):</b> Division 1.6; No Hazard Statement <b>SUPPLEMENTARY HAZARD STATEMENT CODE(s):</b> Similar Division 1.6; No Hazard Statement	
15	<b>REGULATORY INFORMATION</b>
OCCUPATIONAL EXPOSURE LIMITS: N/A	
<b>U.S. State of California Proposition 65 California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) INGREDIENTS Presence</b>	<b>None</b> (Exempted from CA Prop 65 Register) <b>Conforms to the where Applicable of the regulation by reporting the existence, or lack thereof, of ingredients deemed reportable by the above mentioned regulations via a Global Harmony Classification System (GHS) Safety Data Sheet (SDS), in Section 15 "Regulatory Information" Ingredients from Natural Food Sources (NFS) and are exempt from reporting in accordance with Title 27, § 25501(a).</b>
EU Commission Regulation No.358/2014/9 of 9 <sup>th</sup> April 2014 amending Annexes II and V, to EU Regulation No No.1223/2009 of The European Parliament and of The Council on Cosmetic products	<b>"Contains No Parabens and nor contains any Branched Chain Parabens".</b> (EU Regulation No.358/2014/9 of 9 <sup>th</sup> April 2014)  Contains No Formaldehyde, No Formaldehyde Donors, via <b>"SPECTROPHOTOMETRIC METHOD -Association of Official Analytical Chemists (now AOAC International) AOAC OFFICIAL METHOD 931.08 &amp; 964.2 Carbon-13 nuclear magnetic resonance analysis of formaldehyde free ALTERNATIVE assays to any Assays of Schiff Reactions via Colorimetric or via GCMS or via HPLC.</b>
<b>EINECS# (EINECS Name)</b> <i>(EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and compliant to the GHS</i>	Lonicera Caprifolium (Honeysuckle) Flower Extract <a href="http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&amp;id=77414">http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&amp;id=77414</a> Lonicera Caprifolium Flower Extract – 283-263-6 (EU)
	Lonicera Japonica (Honeysuckle) Flower Extract <a href="http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&amp;id=57384">http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&amp;id=57384</a> Lonicera Japonica Flower Extract – N/A (EU)
	Simmondsia Chinensis (Jjoba) Seed Oil <a href="http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&amp;id=58617">http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.details_v2&amp;id=58617</a> Simmondsia Chinensis Seed Oil – 289-964-3 (EU)
<a href="#">Australian Inventory of Chemical Substances (AICS) Compliance to Australian AICS</a>	<b><u>AICS No Regulatory Requirements to be Listed.</u></b> (Natural chemicals (ones that are extracted from natural sources in such a way that their chemistry won't have changed during the extraction process) do not need to be listed on the AICS, instead they are deemed to be on the AICS.) <a href="https://www.nicnas.gov.au/cosmetics-and-soaps/naturally-occurring-chemicals-in-cosmetics">https://www.nicnas.gov.au/cosmetics-and-soaps/naturally-occurring-chemicals-in-cosmetics</a>  <a href="http://www.nicnas.gov.au/regulation-and-compliance/aics/if-a-chemical-is-not-listed">http://www.nicnas.gov.au/regulation-and-compliance/aics/if-a-chemical-is-not-listed</a>

**Natural & Organic Cosmetics Compliance**

**YES !**

(for further information –Contact/Email with relevant application/registration forms, to Campo campo-canada@campo-research.com)

**A NOVEL BOTANICAL ACTIVE INGREDIENT EXTRACT - COMPLIANT TO THE COSMOS EUROPE, THE ECO-CERT, THE BDIH, UK SOIL ASSOCIATION etc.**

**16 OTHER INFORMATION**

**USES AS A COSMETIC ADDITIVE, For Hair Care Enhancing, Skin-Care Enhancing, Astringent, and Masking Natural Products’ Biological functions**

> 2.5 - 3.5 %

**Important Notice of Disclaimer**

Specifications may change without prior notice. Information contained in this technical literature Campo Plantservative WSr is believed to be accurate and is offered in good faith for the benefit of the customer. The company, however, cannot assume any liability or risk involved in the use of its natural products or their derivatives, since the conditions of use are beyond our control. Statements concerning the possible use are not intended as recommendations to use our products in the infringement of any patent. We make no warranty of any kind; expressed or implied, other than that the material conforms to the applicable standard specifications.

**“Contains No Parabens and nor contains any Branched Chain Parabens”** (EU Regulation No.358/2014/9 of 9<sup>th</sup> April 2014)  
**Carbon-13 nuclear magnetic resonance analysis of formaldehyde free**

ALTERNATIVE assays to any Assays of Schiff Reactions via Colorimetric or via GCMS or via HPLC.

Recommended Mandatory Ingredient Listing of INCI Name:  
**Lonicera Caprifolium (Honeysuckle) Flower Extract**  
**Lonicera Japonica (Honeysuckle) Flower Extract**  
 Simmondsia Chinensis Seed Oil

This is the Final Extract composition, that is required as in Recommended Mandatory Ingredient Listing of INCI:

Lonicera Caprifolium (Honeysuckle) Flower Extract (and)  
 Lonicera Japonica (Honeysuckle) Flower Extract (and)  
 Simmondsia Chinensis (Jojoba) Seed Oil

This format and information is compiled by Kampoyaki Novel Natural Product Chemistry/ Novel Drug Discovery cGMP Labs Kobe, Japan; for Campo Cosmetic Pte Ltd, Kyoto and Singapore.

**\*Please take note that all specifications are liable to changes without prior notice.**

**“FOR COSMETIC TOPICAL USE ONLY”**

**VEGAN**

By definition of vegan being that the product is entirely free of animal involvement (no animal products used nor animal testing in the making of the product, since 1992, for EC DIRECTIVE 91/155/EEC), the above mentioned product can be considered vegan compliant.

**NON-CITES RESTRICTION**

**NONE - INVASIVE ALIEN WEEDS USDA**



**Kosher Cross-checks Certification and Halal Cross-checks certification** is a quality assurance process applied to Kampoyaki food Marine Botanical Extract(s) ingredients, and Campo cosmetics Marine Botanical Extract(s) ingredients, and The various Marine Botanical Extract(s) products and the services according to the **Kosher Cross-Checks**, and to the **Halal Cross-Checks** regulations.

The Kosher Certificate and The Halal certificate of cross-checks ensures that our food Marine Botanical Extract(s) ingredients and the cosmetic Marine Botanical Extract(s) ingredients are safe for consumption and use by the Jewish and Muslim community

These **Kosher cross checks and Halal cross-checks certification**, of which are issued by the relevant manufacturer, ensures that the Kampoyaki food Marine Botanical Extract(s) ingredients and the Campo cosmetic Marine Botanical Extract(s) ingredients do not include in their composition anything that is considered illegal by Jewish and Islamic law, and that they are prepared, processed, transported and stored using means that are

	exempted from any item prohibited by the law. It also guarantees that the food Marine Botanical Extract(s) ingredients and the cosmetic Marine Botanical Extract(s) ingredients have not been in direct contact with other foods, nor other cosmetic ingredients, that do not meet these requirements
<b>NAGOYA PROTOCOL &amp; ACCESS SHARING BENEFITS (ABS) BIODIVERSITY</b> 	<b>TOTALLY EXEMPTED FROM NAGOYA PROTOCOL AND ACCESS SHARING BENEFITS OF BIODIVERSITY – DUE TO UNIQUE GLOBAL MULTI-GEOGRAPHICAL PREVALENT KNOWLEDGE AND USAGES OF RAW MATERIALS.</b> The basis of usage were from Multi-Geographical regions - Laos, Cambodia Manchuria, Tibet (China), Sikkim (India), Nepal, Manchuria, Inner Mongolia & Outer Mongolia.
	<b><u>NO RED PALM OIL CONTROVERSY</u> OF DEFORESTATION OF PRIMITIVE RAINFORESTS, FOR CULTIVATION OF <u>ELAEIS GUINEENSIS</u> (RED PALM OIL) PLANTATIONS. NO RSPO CERTIFICATION REQUIRED. RSPO-FREE. CAMPO PLANTSERVATIVE WMr, IS BEYOND THE SCOPE OF THE RSPO ON THE DESTRUCTION OF NATIVE RAINFORESTS FOR THE CULTIVATION OF COMMERCIALIZED <u>ELAEIS GUINEENSIS</u> (RED PALM OIL) AND OF THE 2004 ROUND TABLE SUSTAINABLE PALM OIL (RSPO).</b>  *Please take note that all specifications are liable to changes without prior notice.

Campo Plantservative WMr (Jojoba Oil) ©.

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## SAFETY ASSESSMENTS REFERENCES

*Lonicera japonica* flower extract

extract of the flowers of the japanese caprofilia (honeysuckle), *Lonicera japonica*, caprifoliaceae

### Synonyms:

japanese caprofilia flower extract

extract of the flowers of the japanese caprofilia (honeysuckle), *Lonicera japonica*, caprifoliaceae

honeysuckle extract (*Lonicera japonica*)

honeysuckle flower (jin yin hua)

*Lonicera japonica* P.E.

CAS:84603-62-3,223749-79-9

<http://www.ncbi.nlm.nih.gov/pubmed/16393344>

<http://www.ncbi.nlm.nih.gov/pubmed/24862492>

PubMed: [[Study on physiological trait changes in growth process of different varieties of \*Lonicera japonica\*](http://www.ncbi.nlm.nih.gov/pubmed/25335277)].

<http://www.ncbi.nlm.nih.gov/pubmed/25335277>

PubMed: [[Literature study on species of honeysuckle flower](#)].

PubMed: [[Metabolism-mediated drug interaction potential of HS-23, a new herbal drug for the treatment of sepsis in human hepatocytes and liver microsomes](#)].

PubMed: [[Inhibitory activity of the flower buds of \*Lonicera japonica\* Thunb. against histamine production and L-histidine decarboxylase in human keratinocytes](#)].

PubMed: [[HS-23, \*Lonicera japonica\* extract, attenuates septic injury by suppressing toll-like receptor 4 signaling](#)].

PubMed: [[Homosecoiridoid alkaloids with amino acid units from the flower buds of \*Lonicera japonica\*](#)].

PubMed: [[Gene cloning and bioinformatics analysis of SABATH methyltransferase in \*Lonicera japonica\* var. chinensis](#)].

PubMed: [[Effects of inhalable microparticle of flower of \*Lonicera japonica\* in a mouse model of COPD](#)].

PubMed: [[Conjugates of a secoiridoid glucoside with a phenolic glucoside from the flower buds of \*Lonicera japonica\* Thunb.](#)].

PubMed: [[Textual research on the literature sources, its related names and medicinal part of \*Lonicera japonica\* Thunb.](#)].

PubMed: [[Chemical constituents from flower buds of \*Lonicera japonica\*](#)].

PubMed: [[Aromatic glycosides from the flower buds of \*Lonicera japonica\*](#)].

PubMed: [[Purification and partial characterization of polyphenol oxidase from the flower buds of \*Lonicera japonica\* Thunb.](#)].

- PubMed:** [Characterization and anti-allergic effect of a polysaccharide from the flower buds of \*Lonicera japonica\*.](#)
- PubMed:** [Chemical composition of the essential oils from the flower, leaf and stem of \*Lonicera japonica\*.](#)
- PubMed:** [Four new N-contained iridoid glycosides from flower buds of \*Lonicera japonica\*.](#)
- PubMed:** [Genetic variation and metabolic pathway intricacy govern the active compound content and quality of the Chinese medicinal plant \*Lonicera japonica\* thunb.](#)
- PubMed:** [Prophylactic effects of \*Lonicera japonica\* extract on dextran sulphate sodium-induced colitis in a mouse model by the inhibition of the Th1/Th17 response.](#)
- PubMed:** [Neuroprotective activity of the methanolic extract of \*Lonicera japonica\* in glutamate-injured primary rat cortical cells.](#)
- PubMed:** [Homosecoiridoids from the flower buds of \*Lonicera japonica\*.](#)
- PubMed:** [Allergy-preventive effects of chlorogenic acid and iridoid derivatives from flower buds of \*Lonicera japonica\*.](#)
- PubMed:** [Combination of normal light and fluorescence microscopy for authentication of five \*Lonicera\* species flower buds.](#)
- PubMed:** [Cloning and characterization of a cDNA coding a hydroxycinnamoyl-CoA quinate hydroxycinnamoyl transferase involved in chlorogenic acid biosynthesis in \*Lonicera japonica\*.](#)
- PubMed:** [Identification of \*Lonicera japonica\* by PCR-RFLP and allele-specific diagnostic PCR based on sequences of internal transcribed spacer regions.](#)
- PubMed:** [\[Comparative study on yield and quality of flower buds of \*Lonicera japonica\* within several flowering stages\].](#)
- PubMed:** [Structural characterization and identification of iridoid glycosides, saponins, phenolic acids and flavonoids in Flos \*Lonicerae Japonicae\* by a fast liquid chromatography method with diode-array detection and time-of-flight mass spectrometry.](#)
- PubMed:** [Attraction of New Zealand flower thrips, \*Thrips obscuratus\*, to cis-jasmone, a volatile identified from Japanese honeysuckle flowers.](#)
- PubMed:** [\[Study of GC fingerprint of essential oils from flower of \*Lonicera japonica\*\].](#)
- PubMed:** [Determination of sweroside in rat plasma and bile for oral bioavailability and hepatobiliary excretion.](#)
- PubMed:** [Rapid and simple method for screening of natural antioxidants from Chinese herb Flos \*Lonicerae Japonicae\* by DPPH-HPLC-DAD-TOF/MS.](#)
- PubMed:** [Traditional Chinese medicine for atopic eczema: PentaHerbs formula suppresses inflammatory mediators release from mast cells.](#)
- PubMed:** [Pyridinium alkaloid-coupled secoiridoids from the flower buds of \*Lonicera japonica\*.](#)
- PubMed:** [Trifunctional inhibition of COX-2 by extracts of \*Lonicera japonica\*: direct inhibition, transcriptional and post-transcriptional down regulation.](#)
- PubMed:** [\[Effects of water stress on the growth of \*Lonicera japonica\* and quality of honeysuckle\].](#)
- PubMed:** [Fingerprint analysis of Flos \*Lonicerae japonicae\* using binary HPLC profiling.](#)
- PubMed:** [Parental use of the term "Hot Qi" to describe symptoms in their children in Hong Kong: a cross sectional survey "Hot Qi" in children.](#)
- PubMed:** [\[The relationship between growth habit of \*Lonicera japonica\* and quality of Flos \*Lonicerae\*\].](#)
- PubMed:** [\[Comparative study on volatile oils in flower and stem of \*Lonicera japonica\*\].](#)
- PubMed:** [Secoiridoid glycosides from the flower buds of \*Lonicera japonica\*.](#)
- PubMed:** [Anti-inflammatory effect of the aqueous extract from \*Lonicera japonica\* flower is related to inhibition of NF-kappaB activation through reducing I-kappaBalpha degradation in rat liver.](#)
- PubMed:** [The quest for a herbal contraceptive.](#)
- [\[Analysis of chemical constituent of essential oil in \*Lonicera japonica\* Thunb. cultivated on the northern plain of Henan Province\].](#)
- PubMed:** <http://www.nature.com/cr/journal/v25/n1/full/cr2014130a.html?foxtrotcallback=true>  
*Honeysuckle-encoded atypical microRNA2911 directly targets influenza A viruses*
- <http://pubs.acs.org/doi/abs/10.1021/ie101505q>

## Adsorption and UV Protection Properties of the Extract from Honeysuckle onto Wool

[Sha-Sha Sun](#) and [Ren-Cheng Tang\\*](#)

National Engineering Laboratory for Modern Silk, College of Textile and Clothing Engineering, Soochow University, 199 Renai Road, Suzhou 215123, P. R. China

*Ind. Eng. Chem. Res.*, **2011**, *50* (8), pp 4217–4224

DOI: 10.1021/ie101505q Publication Date (Web): March 11, 2011 Copyright © 2011 American Chemical Society

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### SAFETY ASSESSMENTS REFERENCES

**Internal Tracking Number:** 321653. **Substance Type:** Chemical Substance

**Systematic Name:** Waxes and Waxy substances, jojoba . **CAS Number:** 61789-91-1

**EPA Registry Name:** Jojoba wax (Liquid Waxy Oil) **Molecular Formula:** Unspecified

**Definition:** Extractives and their physically modified derivatives. *Simmondsia chinensis*, Buxaceae

<https://ofmpub.epa.gov/reports/rwservelet?srsepa&subsid=24097&report=srsSubstanceDetails.jsp&desformat=PDF&desname=SubstanceDetailsReport.pdf>

**List Name Food and Drug Administration Substance Registry**

**Synonym JOJOBA OIL 724GKU717M - FDA UNII**

[https://ofmpub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/substancesearch/search.do?synId=1080341&displaySynonym=](https://ofmpub.epa.gov/sor_internet/registry/substreg/searchandretrieve/substancesearch/search.do?synId=1080341&displaySynonym=)

[https://ofmpub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/substancesearch/search.do?details=displayDetails&selectedSubstanceId=24097#](https://ofmpub.epa.gov/sor_internet/registry/substreg/searchandretrieve/substancesearch/search.do?details=displayDetails&selectedSubstanceId=24097#)

### DISCLAIMER (2019/01-203):

#### PRODUCT NAME: CAMPO PLANTSERVATIVE WMr (JOJOBA OIL)

*Lonicera Japonica* Extract Lipo/Oil Soluble

#### PRODUCT#: 2004-190-3002 PLANTWMr (JO)

#### BATCH LOT#: 2019-03- Nett Weight: 1.000kg x 20 drums PO#: 9857 dated 7<sup>th</sup> March 2019

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